Freshwater Stream Red River Basin Total size: 111 Miles Assessment Status of Use # of # of Location Year Assessment Method **Support or Concern** Location size samples exceedances | Mean **Aquatic Life Use** 2002 Dissolved Oxygen grab average No Concern FM 2393 to one mile above Eastland Lane 14 20 2 2002 Dissolved Oxygen grab average No Concern 0 FM 368 to upper end of segment 39 35 2002 Dissolved Oxygen grab average No Concern 0 Lower end of segment to FM 2393 25 34 2002 Dissolved Oxygen grab average No Concern One mile above Eastland Lane to one mile above 0 4 21 River Road 2002 Dissolved Oxygen grab average No Concern One mile above River Road to US 281 17 0 4 2002 3 Dissolved Oxygen grab average No Concern US 281 to FM 368 31 25 2002 Dissolved Oxygen grab minimum Fully Supporting FM 2393 to one mile above Eastland Lane 0 14 20 2002 **Fully Supporting** Dissolved Oxygen grab minimum 35 0 FM 368 to upper end of segment 39 2002 Dissolved Oxygen grab minimum Fully Supporting Lower end of segment to FM 2393 25 34 0 2002 Dissolved Oxygen grab minimum **Fully Supporting** One mile above Eastland Lane to one mile above 4 0 21 River Road 2002 Dissolved Oxygen grab minimum 0 Fully Supporting One mile above River Road to US 281 4 17 2002 Dissolved Oxygen grab minimum Fully Supporting US 281 to FM 368 25 31 0 2002 Dissolved Oxygen 24hr average Not Assessed FM 2393 to one mile above Eastland Lane 0 14 2002 Dissolved Oxygen 24hr average FM 368 to upper end of segment Not Assessed 39 0 2002 Dissolved Oxygen 24hr average Not Assessed Lower end of segment to FM 2393 0 25 2002 Dissolved Oxygen 24hr average Not Assessed One mile above Eastland Lane to one mile above 4 0 River Road 2002 Dissolved Oxygen 24hr average Not Assessed One mile above River Road to US 281 4 0 2002 Dissolved Oxygen 24hr average Not Assessed US 281 to FM 368 25 0 2002 Dissolved Oxygen 24hr minimum FM 2393 to one mile above Eastland Lane Not Assessed 14 0 2002 Dissolved Oxygen 24hr minimum FM 368 to upper end of segment Not Assessed 39 0 2002 Dissolved Oxygen 24hr minimum Not Assessed Lower end of segment to FM 2393 25 0 2002 Dissolved Oxygen 24hr minimum One mile above Eastland Lane to one mile above Not Assessed 4 0 River Road

Freshwater Stream Red River Basin Total size: 111 Miles Status of Use # of # of Assessment Location Year Assessment Method **Support or Concern** Location samples exceedances Mean size Aquatic Life Use (continued) 2002 Dissolved Oxygen 24hr minimum Not Assessed One mile above River Road to US 281 4 0 2002 Dissolved Oxygen 24hr minimum Not Assessed US 281 to FM 368 25 0 2002 Acute Metals in water **Fully Supporting** 0 FM 2393 to one mile above Eastland Lane 14 10 2002 Acute Metals in water 39 2 0 Not Assessed FM 368 to upper end of segment 2002 Acute Metals in water 0 One mile above Eastland Lane to one mile above 2 Not Assessed 4 River Road 2002 Acute Metals in water **Fully Supporting** 0 One mile above River Road to US 281 4 11 2002 Acute Metals in water **Fully Supporting** 0 US 281 to FM 368 25 10 2002 Chronic Metals in water **Fully Supporting** FM 2393 to one mile above Eastland Lane 14 10 2002 Chronic Metals in water Not Assessed 39 2 FM 368 to upper end of segment 2002 Chronic Metals in water Not Assessed One mile above Eastland Lane to one mile above 4 2 River Road 2002 Chronic Metals in water **Fully Supporting** One mile above River Road to US 281 11 4 2002 Chronic Metals in water **Fully Supporting** US 281 to FM 368 25 10 2002 0 Acute Organics in water Not Assessed One mile above Eastland Lane to one mile above 4 1 River Road 2002 Chronic Organics in water Not Assessed One mile above Eastland Lane to one mile above 4 1 River Road 2002 Chronic Toxicity tests in water 0 Not Assessed One mile above Eastland Lane to one mile above 4 1 River Road 2002 Chronic Toxicity tests in water 4 2 Not Assessed One mile above River Road to US 281 2002 Chronic Toxicity tests in sediment | Not Assessed One mile above Eastland Lane to one mile above 4 1 River Road 2002 Chronic Toxicity tests in sediment 2 Not Assessed One mile above River Road to US 281 4

Freshw	ater Stream	Red River B	asin Total size:		111	Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life U	Jse (continued)						
2002	Overall Aquatic Life Use	Fully Supporting	FM 2393 to one mile above Eastland Lane	14			
2002	Overall Aquatic Life Use	Fully Supporting	FM 368 to upper end of segment	39			
2002	Overall Aquatic Life Use	Fully Supporting	Lower end of segment to FM 2393	25			
2002	Overall Aquatic Life Use	Fully Supporting	One mile above Eastland Lane to one mile above River Road	4			
2002	Overall Aquatic Life Use	Fully Supporting	One mile above River Road to US 281	4			
2002	Overall Aquatic Life Use	Fully Supporting	US 281 to FM 368	25			
Contact Recre	eation Use			1			
2002	E. coli single sample	Not Assessed	FM 2393 to one mile above Eastland Lane	14	0		
2002	E. coli single sample	Fully Supporting	FM 368 to upper end of segment	39	11	1	
2002	E. coli single sample	Fully Supporting	Lower end of segment to FM 2393	25	11	0	
2002	E. coli single sample	No Concern-Limited Data	One mile above Eastland Lane to one mile above River Road	4	9	0	
2002	E. coli single sample	Not Assessed	One mile above River Road to US 281	4	0		
2002	E. coli single sample	Fully Supporting	US 281 to FM 368	25	13	0	
2002	E. coli geometric mean	Not Assessed	FM 2393 to one mile above Eastland Lane	14	0		
2002	E. coli geometric mean	Fully Supporting	FM 368 to upper end of segment	39	11		5
2002	E. coli geometric mean	Fully Supporting	Lower end of segment to FM 2393	25	11		3
2002	E. coli geometric mean	No Concern-Limited Data	One mile above Eastland Lane to one mile above River Road	4	9		1.02
2002	E. coli geometric mean	Not Assessed	One mile above River Road to US 281	4	0		
2002	E. coli geometric mean	Fully Supporting	US 281 to FM 368	25	13		3
2002	Fecal coliform single sample	Fully Supporting	FM 2393 to one mile above Eastland Lane	14	19	0	
2002	Fecal coliform single sample	Fully Supporting	FM 368 to upper end of segment	39	13	2	
2002	Fecal coliform single sample	Fully Supporting	Lower end of segment to FM 2393	25	12	1	

Freshwater Stream		Red River Basin Total size:		111 Miles				
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean	
Contact Recre	eation Use (continued)							
2002	Fecal coliform single sample	No Concern-Limited Data	One mile above Eastland Lane to one mile above River Road	4	9	1		
2002	Fecal coliform single sample	Fully Supporting	One mile above River Road to US 281	4	16	0		
2002	Fecal coliform single sample	Fully Supporting	US 281 to FM 368	25	23	1		
2002	Fecal coliform geometric mean	Fully Supporting	FM 2393 to one mile above Eastland Lane	14	19		96	
2002	Fecal coliform geometric mean	Fully Supporting	FM 368 to upper end of segment	39	13		65	
2002	Fecal coliform geometric mean	Fully Supporting	Lower end of segment to FM 2393	25	12		20	
2002	Fecal coliform geometric mean	No Concern-Limited Data	One mile above Eastland Lane to one mile above River Road	4	9		57	
2002	Fecal coliform geometric mean	Fully Supporting	One mile above River Road to US 281	4	16		93	
2002	Fecal coliform geometric mean	Fully Supporting	US 281 to FM 368	25	23		74	
2002	Overall Recreation Use	Fully Supporting	FM 2393 to one mile above Eastland Lane	14				
2002	Overall Recreation Use	Fully Supporting	FM 368 to upper end of segment	39				
2002	Overall Recreation Use	Fully Supporting	Lower end of segment to FM 2393	25				
2002	Overall Recreation Use	Not Assessed	One mile above Eastland Lane to one mile above River Road	4				
2002	Overall Recreation Use	Fully Supporting	One mile above River Road to US 281	4				
2002	Overall Recreation Use	Fully Supporting	US 281 to FM 368	25				
General Use								
2002	Water Temperature	Fully Supporting	FM 2393 to one mile above Eastland Lane	14	20	1		
2002	Water Temperature	Fully Supporting	FM 368 to upper end of segment	39	34	0		
2002	Water Temperature	Fully Supporting	Lower end of segment to FM 2393	25	33	0		
2002	Water Temperature	Fully Supporting	One mile above Eastland Lane to one mile above River Road	4	21	2		
2002	Water Temperature	Fully Supporting	One mile above River Road to US 281	4	17	0		
2002	Water Temperature	Fully Supporting	US 281 to FM 368	25	30	0		

Freshwater Stream **Red River Basin** Total size: 111 Miles Status of Use # of # of Assessment Location Year Assessment Method **Support or Concern** Location samples exceedances Mean size **General Use** (continued) 2002 рΗ **Fully Supporting** 0 FM 2393 to one mile above Eastland Lane 14 20 2002 pН Fully Supporting FM 368 to upper end of segment 39 35 0 2002 0 рН Fully Supporting Lower end of segment to FM 2393 25 35 2002 рН **Fully Supporting** 0 One mile above Eastland Lane to one mile above 4 21 River Road 2002 рΗ One mile above River Road to US 281 0 Fully Supporting 4 17 2002 pН Fully Supporting US 281 to FM 368 25 29 1 2002 Chloride **Fully Supporting** 1.179 FM 2393 to one mile above Eastland Lane 14 114 2002 Chloride Fully Supporting 1.179 FM 368 to upper end of segment 39 114 2002 Chloride 1,179 Fully Supporting Lower end of segment to FM 2393 25 114 2002 Chloride Fully Supporting 1,179 One mile above Eastland Lane to one mile above 4 114 River Road 2002 Chloride **Fully Supporting** 1.179 One mile above River Road to US 281 4 114 2002 Chloride 1.179 Fully Supporting US 281 to FM 368 25 114 2002 Sulfate **Fully Supporting** FM 2393 to one mile above Eastland Lane 14 115 669 2002 Sulfate 669 Fully Supporting FM 368 to upper end of segment 39 115 2002 Sulfate **Fully Supporting** Lower end of segment to FM 2393 669 25 115 2002 Sulfate One mile above Eastland Lane to one mile above 669 Fully Supporting 4 115 River Road 2002 Sulfate 669 Fully Supporting One mile above River Road to US 281 4 115 2002 Sulfate Fully Supporting US 281 to FM 368 25 115 669 2002 Total Dissolved Solids 3.009 **Fully Supporting** FM 2393 to one mile above Eastland Lane 14 144 2002 3,009 Total Dissolved Solids Fully Supporting FM 368 to upper end of segment 39 144 2002 3,009 Total Dissolved Solids **Fully Supporting** Lower end of segment to FM 2393 25 144 2002 Total Dissolved Solids **Fully Supporting** One mile above Eastland Lane to one mile above 3.009 4 144 River Road

Freshw	rater Stream	Red River B	asin Total size:		111	Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
General Use	(continued)						
2002	Total Dissolved Solids	Fully Supporting	One mile above River Road to US 281	4	144		3,009
2002	Total Dissolved Solids	Fully Supporting	US 281 to FM 368	25	144		3,009
2002	Overall General Use	Fully Supporting	FM 2393 to one mile above Eastland Lane	14			
2002	Overall General Use	Fully Supporting	FM 368 to upper end of segment	39			
2002	Overall General Use	Fully Supporting	Lower end of segment to FM 2393	25			
2002	Overall General Use	Fully Supporting	One mile above Eastland Lane to one mile above River Road	4			
2002	Overall General Use	Fully Supporting	One mile above River Road to US 281	4			
2002	Overall General Use	Fully Supporting	US 281 to FM 368	25			
Fish Consump	otion Use			<b>.</b>		1	
2002	Human Health Criteria	Fully Supporting	FM 2393 to one mile above Eastland Lane	14	10		
2002	Human Health Criteria	Not Assessed	FM 368 to upper end of segment	39	2		
2002	Human Health Criteria	Not Assessed	Lower end of segment to FM 2393	25	1		
2002	Human Health Criteria	Not Assessed	One mile above Eastland Lane to one mile above River Road	4	2		
2002	Human Health Criteria	Fully Supporting	One mile above River Road to US 281	4	11		
2002	Human Health Criteria	No Concern-Limited Data	US 281 to FM 368	25	9		
2002	Overall Fish Consumption Use	Fully Supporting	FM 2393 to one mile above Eastland Lane	14			
2002	Overall Fish Consumption Use	Not Assessed	FM 368 to upper end of segment	39			
2002	Overall Fish Consumption Use	Not Assessed	Lower end of segment to FM 2393	25			
2002	Overall Fish Consumption Use	Not Assessed	One mile above Eastland Lane to one mile above River Road	4			
2002	Overall Fish Consumption Use	Fully Supporting	One mile above River Road to US 281	4			
2002	Overall Fish Consumption Use	Not Assessed	US 281 to FM 368	25			

Freshwa	ater Stream	Red River B	asin Total size:		111	Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Overall Use Su	ipport						
2002		Fully Supporting	FM 2393 to one mile above Eastland Lane	14			
2002		Fully Supporting	FM 368 to upper end of segment	39			
2002		Fully Supporting	Lower end of segment to FM 2393	25			
2002		Fully Supporting	One mile above Eastland Lane to one mile above River Road	4			
2002		Fully Supporting	One mile above River Road to US 281	4			
2002		Fully Supporting	US 281 to FM 368	25			
Nutrient Enric	hment Concern			-1			
2002	Ammonia Nitrogen	Concern	FM 2393 to one mile above Eastland Lane	14	20	9	
2002	Ammonia Nitrogen	No Concern	FM 368 to upper end of segment	39	11	3	
2002	Ammonia Nitrogen	No Concern	Lower end of segment to FM 2393	25	15	4	
2002	Ammonia Nitrogen	Not Assessed	One mile above Eastland Lane to one mile above River Road	4	0		
2002	Ammonia Nitrogen	No Concern	One mile above River Road to US 281	4	18	1	
2002	Ammonia Nitrogen	No Concern	US 281 to FM 368	25	18	3	
2002	Nitrite + Nitrate Nitrogen	No Concern	FM 2393 to one mile above Eastland Lane	14	20	5	
2002	Nitrite + Nitrate Nitrogen	No Concern	FM 368 to upper end of segment	39	12	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	Lower end of segment to FM 2393	25	14	1	
2002	Nitrite + Nitrate Nitrogen	Not Assessed	One mile above Eastland Lane to one mile above River Road	4	1		
2002	Nitrite + Nitrate Nitrogen	No Concern	One mile above River Road to US 281	4	18	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	US 281 to FM 368	25	19	0	
2002	Orthophosphorus	Concern	FM 2393 to one mile above Eastland Lane	14	20	7	
2002	Orthophosphorus	No Concern	FM 368 to upper end of segment	39	13	0	
2002	Orthophosphorus	No Concern	Lower end of segment to FM 2393	25	15	4	

Freshwater Stream		Red River B	Red River Basin Total size:		111	Miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Jutrient Enric	chment Concern (continued)						
2002	Orthophosphorus	Not Assessed	One mile above Eastland Lane to one mile above River Road	4	0		
2002	Orthophosphorus	No Concern	One mile above River Road to US 281	4	18	0	
2002	Orthophosphorus	No Concern	US 281 to FM 368	25	19	2	
2002	Total Phosphorus	Concern	FM 2393 to one mile above Eastland Lane	14	20	8	
2002	Total Phosphorus	Not Assessed	FM 368 to upper end of segment	39	2	0	
2002	Total Phosphorus	Not Assessed	Lower end of segment to FM 2393	25	0		
2002	Total Phosphorus	Not Assessed	One mile above Eastland Lane to one mile above River Road	4	0		
2002	Total Phosphorus	No Concern	One mile above River Road to US 281	4	18	0	
2002	Total Phosphorus	Not Assessed	US 281 to FM 368	25	9	2	
2002	Overall Nutrient Enrichment Concerns	Concern	FM 2393 to one mile above Eastland Lane	14			
2002	Overall Nutrient Enrichment Concerns	No Concern	FM 368 to upper end of segment	39			
2002	Overall Nutrient Enrichment Concerns	No Concern	Lower end of segment to FM 2393	25			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	One mile above Eastland Lane to one mile above River Road	4			
2002	Overall Nutrient Enrichment Concerns	No Concern	One mile above River Road to US 281	4			
2002	Overall Nutrient Enrichment Concerns	No Concern	US 281 to FM 368	25			
lgal Growth	Concern	•		•			
2002	Chlorophyll a	Concern	FM 2393 to one mile above Eastland Lane	14	20	8	
2002	Chlorophyll a	Not Assessed	FM 368 to upper end of segment	39	2	0	
2002	Chlorophyll a	Not Assessed	Lower end of segment to FM 2393	25	0		

Freshwater Stream		Red River Basin Total size:		111 Miles			
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Algal Growth	Concern (continued)						
2002	Chlorophyll a	Not Assessed	One mile above Eastland Lane to one mile above River Road	4	0		
2002	Chlorophyll a	No Concern	One mile above River Road to US 281	4	18	4	
2002	Chlorophyll a	Not Assessed	US 281 to FM 368	25	8	0	
<b>Sediment Con</b>	taminants Concern			•			<u>'</u>
2002	PEL Metals in sediment Nickel	No Concern	FM 2393 to one mile above Eastland Lane	14	10	1	
2002	85% Metals in sediment Nickel	Concern	FM 2393 to one mile above Eastland Lane	14	10	8	
2002	Metals in sediment	Not Assessed	One mile above Eastland Lane to one mile above River Road	4	1		
2002	Metals in sediment	Not Assessed	One mile above River Road to US 281	4	9		
2002	Metals in sediment	Not Assessed	US 281 to FM 368	25	7		
2002	Organics in sediment	Not Assessed	One mile above Eastland Lane to one mile above River Road	4	1		
2002	Overall Sediment Contaminant Concerns	Concern	FM 2393 to one mile above Eastland Lane	14			
2002	Overall Sediment Contaminant Concerns	Not Assessed	FM 368 to upper end of segment	39			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Lower end of segment to FM 2393	25			
2002	Overall Sediment Contaminant Concerns	Not Assessed	One mile above Eastland Lane to one mile above River Road	4			
2002	Overall Sediment Contaminant Concerns	Not Assessed	One mile above River Road to US 281	4			
2002	Overall Sediment Contaminant Concerns	Not Assessed	US 281 to FM 368	25			

Freshw	vater Stream	Red River B	asin Total size:		111 Miles		
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mea
h Tissue Co	ontaminants Concern						
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	FM 2393 to one mile above Eastland Lane	14			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	FM 368 to upper end of segment	39			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower end of segment to FM 2393	25			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	One mile above Eastland Lane to one mile above River Road	4			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	One mile above River Road to US 281	4			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	US 281 to FM 368	25			
rrative Crit	teria Concern						
2002	Overall Narrative Criteria Concerns	No Concern	FM 2393 to one mile above Eastland Lane	14			
2002	Overall Narrative Criteria Concerns	No Concern	FM 368 to upper end of segment	39			
2002	Overall Narrative Criteria Concerns	No Concern	Lower end of segment to FM 2393	25			
2002	Overall Narrative Criteria Concerns	No Concern	One mile above Eastland Lane to one mile above River Road	4			
2002	Overall Narrative Criteria Concerns	No Concern	One mile above River Road to US 281	4			
2002	Overall Narrative Criteria Concerns	No Concern	US 281 to FM 368	25			
erall Secon	dary Concern						
2002		Concern	FM 2393 to one mile above Eastland Lane	14			
2002		No Concern	FM 368 to upper end of segment	39			
2002		No Concern	Lower end of segment to FM 2393	25			

Freshwater Stream Red River Basin Total size: 111 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Overall Second	lary Concern (continued)						
2002		No Concern	One mile above Eastland Lane to one mile above River Road	4			
2002		No Concern	One mile above River Road to US 281	4			
2002		No Concern	US 281 to FM 368	25			